

ABSTRACT

A method and apparatus for optical switching is described wherein a first optical input/output port and plurality of second optical input/output ports are coupled using an optical guiding assembly. An optical signal may thereby be movably directed between the first input/output port and a selected one of the second optical input/output ports. The optical guiding assembly includes a optical micro-element assembly and an actuator assembly which moveably directs the microlens assembly to a predetermined position corresponding to the selected one of the input/output ports. The actuator assembly includes a comb drive and the optical micro-element assembly includes an etched lens, a ball lens, a mirror, or the like.

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